FRENKEL', Naum Zakharovich; VASIL'YEV, O.F., redaktor; FRIDKIN, A.M., tekhnicheskiy redaktor.

[Hydraulics] Gidravlika. Izd. 2-oe, perer. i dop. Moskva, Gos. energ. izd-vo, 1956. 456 p. (MLRA 9:5)
(Hydraulics)

SOV/124-57-8-8566

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 8, p 5 (USSR)

AUTHOR: Vasil'yev, O. F.

TITLE: The Scientific Legacy Left by I. S. Gromeko (Nauchnoye naslediye I. S. Gromeki)

PERIODICAL: Tr. In-ta istorii yestestvozn. i tekhn. AN SSSR, 1956, Vol 10, pp 245-268

ABSTRACT: Brief biographical notes and discussion of the works of Ippolit Stepanovich Gromeko (1851-1889), professor at the Kazan' University, famed for his investigations in the field of hydromechanics. I. S. Gromeko's dissertation "Some Types of Motion of an Incompressible Fluid" (1881) and its role in the development of the theory of helicoidal fluid motions are considered in detail. Bibliography: 35 references.

G. K. Mikhaylov

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VASIL'YEV, O.F.

Hydraulic jump and spreading of flow in a widening bed. Dokl.AN SSSR 106 no.5:797-800 F '56. (MIRA 9:7)

1.Moskovskiy inzhenerno-stroitel'nyy institut imeni V.V.Kuybysheva. Predstavlena akademikom L.I.Sedovym.
(Hydraulic jump) (Fluid dynamics)

KISELEV, Petr Grigor'yevich; ZHURIN, V.D., prof., doktor tekhn.nauk, red.; ORLOV, V.A., red.; VASIL'YEV, O.F., red.; MEDVEDEV, L.Ya., tekhn. red.

[A manual of hydraulic computations] Spravochnik po gidravlicheskim raschetam. Izd. 2-oe, perer. i dop. Moskva, Gos.energ. izd-vo, 1957. 352 p. (MIRA 11:2)
(Hydraulic engineering--Tables, calculations, etc.)

VASIL'YEV, G. F.

[illegible]-9-9/12

AUTHOR: Vasil'yev, [illegible], and Tushilkin,

TITLE: Letter to the editor (Pis'mo v redaktsiyu)

PERIODICAL: "Gidrotekhnika i Melioratsiya", 1957, Nr 8, pp 48-49,(USSR)

ABSTRACT: The authors refer to an article published in the periodical "Gidrotekhnika i Melioratsiya", Nr 9, 1956, "Energy Losses of Fluids Moving over a Rectangular Overflow " by N.N. Dimitriyevskiy, Candidate of Technical Sciences, several aspects of which appear to them to be wrong. Two equations given by Dimitriyevskiy are replaced by equations of the authors, which are more simple and which are substantiated by experiments. The article contains 2 figures and one British (London) reference.

AVAILABLE: Library of Congress

Card 1/1

AUTHOR: VASIL'YEV, O.F. (Moscow) PA - 3077

TITLE: The Theory of the Spiral Motion of a Fluid as Applied to the Outflow from an Opening in the Shape of an Air Nozzle. (Prilozheniye teorii vintovogo dvizheniya zhidkosti k zadache ob istechenii cherez otverstiye s obrazovaniyem vozdushnoy voronki, Russian).

PERIODICAL: Izvestiia Akad. Nauk SSSR, 1957, Vol 21, Nr 3, pp 108 - 114 (U.S.S.R.)

Received: 6 / 1957 Reviewed: 7 / 1957

ABSTRACT: The investigation was carried out to determine the characteristics of a spiral stream which flows from infinity to an opening in a horizontal base under the assumption that the depth of the stream is constant and equals H. The influence of viscosity is neglected; the motion is regarded as homogeneous and the opening as infinitely small. The free surface is taken to be horizontally flat. For the general case the unhomogeneous equation, which contains the constants k and C, is written down. The solution is found by means of series and the equations for the circumferential velocity, for the radial velocity of the spiral stream and for the axial velocity are derived. It is shown that a solution with the help of improper integrals (FOURIER-BESSEL) can be found also. The following points were established: 1) if, by the activity of the plate opening, the layers on the surface of the plate (for example, ground ice lumps) should be

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The Theory of the Spiral Motion of a Fluid as Applied to the Outflow from an Opening in the Shape of an Air Nozzle. PA - 3077

cast off, then the rotary motion in the under layers is to be agitated and augmented while those in the top layers is to be diminished. 2)If the lower plate layers of the stream should be strenghtened (washing away of deposits), then a rotation in the lower layers must be prevented, although in the necessary areas of the top layers of the stream it should be incited and increased. (2 illustrations and 3 citations from Slav publications).

ASSOCIATION: Moscow Institute for Construction Engineers.
PRESENTED BY:
SUBMITTED: 30.12.1956
AVAILABLE: Library of Congress

Card 2/2

PHASE I BOOK EXPLOITATION 849

Vasil'yev, Oleg Fedorovich

Osnovy mekhaniki vintovykh i tsirkulyatsionnykh potokov (Principles of the Mechanics of Helical and Circulation Flows) Moscow, Gosenergoizdat, 1958. 142 p. 3,550 copies printed.

Ed.: Kiselev, P.G.; Tech. Ed.: Larionov, G. Ye.

PURPOSE: The book may be of interest to scientific workers, research fellows, and engineers in scientific-research organizations working in the field of hydro- and aerodynamics, hydraulics, and hydraulic machinery.

COVERAGE: The author considers the theoretical foundations of a comparatively little treated part of hydrodynamics, namely, the mechanics of helical and circulation flows. The author limits himself to the case of a non-viscous fluid. Certain practical problems also are considered which pertain to flows with transverse circulation, flows in curved channels, and the formation of air eddies in a discharging fluid. However, the contents of the book may prove useful also in connection with other technical problems.

Card 1/4

Principles of the Mechanics (Cont.)

The book contains 22 figures and 2 tables. There are 84 references, 65 of which are Soviet (including 3 translations), 7 Italian, 4 English, 3 French, 2 German, 2 Czech, and 1 Roumanian.

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Principals of the Mechanics (Cont.) 849

AVAILABLE: Library of Congress

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IS/ar
11-17-58

VASIL'YEV, O.F., kand.tekhn.nauk

Fluid vibration in lift chambers of inclined locks caused by their sudden stop. Nauch.dokl.vys.shkoly; stroi. no.1:202-212 '58. (MIRA 12:1)

1. Rekomendovana kafedroy gidravliki Moskovskogo inzhenerno-stroitel'nogo instituta imeni V.V. Kuybysheva.
(Locks (Hydraulic engineering)) (Fluid mechanics)

VASIL'YEV, O.F., dots., kand.tekhn.nauk

Approximate differential equations of water vibration in chambers of inclined lifts and locks with centralized filling systems. Nauch.dokl.vys.shkoly; stroi. no.2:243-251 ' 58.
(MIRA 12:1)

(Locks (Hydraulic engineering)) (Fluid mechanics)

VASIL'YEV, O.F., dots., kand.tekhn.nauk

Integration of approximation differential equations for the fluctuation of water in the lifting chamber of an inclined ship lock. Nauch.dokl. vys.shkoly; stroi. no.3:191-200 '58. (MIRA 12:1)

1. Rekomendovana kafedroy gidravliki Moskovskogo inzhenerno-stroitel'nogo instituta imeni V.V. Kuybysheva.
(Locks (Hydraulic engineering))

VASIL'YEV, O.F., kand.tekhn.nauk

Stresses in mooring lines of a ship in an inclined lock. Nauch. dokl.vys.shkoly; stroi. no.4:187-194 '58. (MIRA 12:2)

1. Rekomendovana kafedroy gidravliki Moskovskogo inzhenerno-stroitel'nogo instituta imeni V.V. Kuybysheva.
(Locks (Hydraulic engineering))

VASILYEV, O.F.

AUTHOR: Vasiliev, O.F. SOV/24-58-6-23/35

TITLE: ~~Calculation~~ /of Discontinuous Waves of Small Height in an Open Channel (O raschete preryvnoy volny maloy vysoty v otkrytom rusle)

PERIODICAL: Izvestiya Akademii Nauk SSSR Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 6, pp 119-121 (USSR)

ABSTRACT: The absolute velocity of propagation of the front of such a wave (cf. diagram on page 119) is given by the approximate formula

$$c = \sqrt{gb_s} \pm v \quad (h_s = \omega/B)$$

where v is the initial velocity of flow in the channel and ω and B are the cross-sectional area and the width of the free surface in front of the wave respectively. The height of the wave is considered small if a/h is less or equal to 0.1. A discussion is given of the range of applicability of this formula in the case of complete

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/of Discontinuous Waves of Small Height in an Open Channel

obstruction of the current (Eq 9) and in the case when the height of the wave is large (Eq 8).

There are 1 figure and 9 references (1 German, 2 French and 6 Soviet)

ASSOCIATION: Moskovskiy Inzhenerno-stroitel'nyy Institut (Moscow Engineering and Building Institute)

SUBMITTED: April 3rd, 1958

Card 2/2

SOV/24-58-10-6/34

AUTHOR: Vasil'yev, O. F. (Moscow)

TITLE: Dynamics of Flow and Hydromixture on a Deforming River Bed (Dinamika potoka gidrosmesi na deformiruyemom lozhe)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, 1958, Nr 10, pp 34-39 (USSR)

ABSTRACT: Previous work on the subject has been carried out by Levi (Refs.1 and 7), Gavrashenko (Ref.2) and Kochina (Ref.3). In Fig.1, aa is the profile of the stream bottom at time t, and a'a' is the profile at time $t + dt$, the change in the profile being brought about by the material deposited from the stream. Assuming that the current varies evenly with distance and slowly with time, the differential equations allowing for continuity, for deformation and movement of the stream bed, for fluid friction and for dynamic flow are established. The profile of the deposit is calculated on the basis of these equations and compared in Figs.5 and 6 with the profiles obtained from the Gavrashenko-Kochina solution and from the experimental results of Rusinov and Zadvornyy (Ref.6) for a homogeneous sand. The agreement is satisfactory. V. D. Zhurin gave advice and instruction during the course of the

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Dynamics of Flow and Hydromixture on a Deforming River Bed

work; the calculations were made by V. Dobrozhan, L. Rovkov and P. Sergeyev. There are 6 figures and 7 references; 6 of the references are Soviet and 1 English.

ASSOCIATION: Moskovskiy inzhenerno-stroitel'nyy institut (Moscow Civil Engineering Institute)

SUBMITTED: May 13, 1958.

Card 2/2

SOV/24-59-1-11/35

AUTHOR: Vasil'yev, O.F., (Moscow)

TITLE: On Approximate Analysis of Waves of Surface Water and the Conditions Affecting Ships in Locks (O priblizhennom analize kolebaniy poverkhnosti vody i usloviy otstoya sudov v shlyuzakh)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, Energetika i Avtomatika, 1959, Nr 1, pp 78-89 (USSR)

ABSTRACT: A theory of the longitudinal waves in the simplified form is applied to the hydraulic calculation of locks. An assumption is made that the lock chamber has a flat bottom and both reaches (channels) are prismatic and have also flat bottoms. The co-ordinates xyz are chosen in such a way that the plane xy is placed on the water surface with the x-axis directed parallel to the chamber with the origin placed at the point of entry (Fig 1). The linear longitudinal waves on the water surface are considered. The component u_x of the velocity of the water particles is much greater than those of u_y and u_z. The following denotations are

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On Approximate Analysis of Waves of Surface Water and the Conditions Affecting Ships in Locks

used in the calculation:

l_k - length of the chamber;
b_k - width of the chamber at the water surface;
h - water depth in the chamber;
ω_k - cross-section of water;
l_c - length of ship;
b_c - width of ship (at water line);
S - immersion of the ship;
ω_c - cross-section of the immersed part of the ship;
W - volume of water displaced by the ship;
p - pressure of water;
g - gravitation;
ρ - density of water;
γ - volumetric weight of water;
t - time.

The dynamical equation is shown as Eq (1.4). The continuity expression (1.7) is based on the volume of water between the cross-sections I at the time t and II at $t + dt$ (Fig 2 where a, a - water surface at t;

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On Approximate Analysis of Waves of Surface Water and the Conditions Affecting Ships in Locks

a'a' - at t + dt; b,b and b',b' - respective positions of ship's bottom). This equation can also be written as Eq (1.10) where ζ - ordinate of the water surface; p_o - pressure at the surface. An assumption is made that the ordinate of the floating plane of the ship η is equal to the ordinate of the free water surface ζ (Eq 1.11). Then, the equation (1.10) will take the form Eq (1.14). The latter equation becomes Eq (1.15) when ω = const (c - wave velocity) or Eq (1.16) when ω_c = const, b_c = const and $\omega = \omega_K - \omega_c$. The limiting conditions of Eq (1.14) can be shown for the chamber as Eq (1.17) to (1.21). Similarly, the limiting conditions can be found for both channels when Eq (1.24) is considered for a length l. The waving force affecting the ship can be calculated from Eq (1.25) where S_c - submerged surface of the ship, n - vector of the internal normal to the surface S_c. The length of the ship is expressed as $l_c = W/\omega_c$. The calculation of the initial stage of filling the chamber (with one ship) is based on

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On Approximate Analysis of Waves of Surface Water and the Conditions Affecting Ships in Locks

Eq (1.14) which is written in the form of Eq (2.1). It is assumed that ω_c = const and

$$Q'(t) \approx Q'(0) = \text{const} \qquad (2.2)$$

Then the integral of Eq (2.1) can be shown as Eq (2.3) where ζ^* = partial solution of Eq (2.1), based on Eq (1.20) and (1.21), which can be defined as a sum of 2 functions (Eq 2.4). The first function is found from Eq (2.5) which characterises the average level increase in the chamber as a function of time and the second from the expression:

$$Q_x = u_x\omega = Q\left(1 - \frac{x}{l_k}\right)$$

and Eq (2.6). When the value:

$$x = l_{i-1} + x_i, \quad \chi(x) = \chi_i(x_i)$$

in Eq (2.6) is considered separately for each of the three chamber sections $(0, l_1)$, (l_1, l_2), (l_2, l_k) then Eq (2.7) is obtained for the i-th section. The limiting

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conditions in this case can be defined as Eq (2.12) and (2.13) where $X_1(x)$ corresponds to the same section as β_i and $\varkappa_i$. The expression (2.11) can be written as Eq (2.14) for each section, the more general form of which is shown as Eq (2.15) where A_i and B_i - constant integrations. As a result of the first limiting condition, Eq (2.12), it can be shown from Eq (2.13) and from the expression for c_i that Eq (2.16) is true for $x = l_1$ and Eq (2.17) for $x = l_2$. The expression (2.18) results from the 2nd condition of Eq (2.12). From Eq (2.16) and (2.17) the formulae (2.23) can be found which, when substituted in Eq (2.18) give the transcendental Eq (2.24). The positive roots of this equation ($\nu_1, \nu_2, \ldots, \nu_n, \ldots$) are included in the expression (2.25) which defines the specific frequency (γ_n) of water waves in the chamber with the period T_n. The initial conditions (2.9) can be determined by solving the expression (2.10). This can be done when the formulae (2.27) are substituted in the Eq (2.29) to

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Eq (2.32). The final expression for the ordinate of water surface in the chamber can be shown as Eq (2.33) with the components corresponding to the sections, as in Eq (2.35). The general expression for the waving force (2.37) at the initial period is found when Eq (2.33) is substituted in Eq (1.26). This expression describes the waves reflected from the sluices and from the sides of the ship. There are 2 figures and 6 references of which 5 are Soviet and 1 English.

ASSOCIATION: Moskovskiy Inzhenerno-Stroitel'nyy Institut (Moscow Engineering Constructional Institute)

SUBMITTED: 30th September 1958

SOV/24-59-2-19/30

AUTHOR: Vasil'yev, O. F. (Moscow)

TITLE: Problems of the Hydrodynamic Calculations of a Tilted Elevator for Transporting Ships (Zadachi gidrodinamicheskogo rascheta naklonnykh sudopod"yemnikov)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Energetika i avtomatika, 1959, Nr 2, pp 120-130 (USSR)

ABSTRACT: When designing the junction of the various waterways of the Bratsk system, the investigations were carried out by the Moscow branch of the Institute of Hydroelectric Constructions and the management of the Bratsk Power Station, in order to construct an elevator for the transportation of ships between two navigational waters. It consists of a tank moving on rails, and filled with water, in which the ship is placed (Fig 1). The problem of vibration of water surface in the tank can be defined for one of the two possibilities: (1) when the time for starting or stopping the elevator is relatively long, or (2) when the tank is allowed to stop abruptly. The latter consideration can be used when determining the surface vibrations in the case of emergency braking. The experiments were carried out with a 1:50 scale model of a tank of the following dimensions - length, l_k = 110 m; width, b_k = 18 m; depth, h = 3.65 m;

Problems of the Hydrodynamic Calculations of a Tilted Elevator for Transporting Ships

slope of the road, 0.05 and velocity of the motion v = 0.8 m/sec. The waves produced by an abrupt braking reached 1.5 m of height for a ship of 3330 m of water displacement, 85 m long, 14 m wide (b_c = 14) 3.2 m maximum and 0.6 m minimum immersion. The experiment showed that the water level in the tank at the moment of waves generation due to the abrupt braking can reach the mean height as expressed by Eq (1.1), where θ - road inclination (Fig.1), g - gravity. The water level defined by the wave crests is actually higher than it is shown by Eqs (1.2) and (1.3) (where ω_k - cross section of water in the tank, ω_c - cross-section of the immersed part of the ship, and b_c - width of ship at water-line of vessel). The dynamic equations of motion of the water in the tank can be expressed as Eqs (2.1) and (2.2) where j(t) - acceleration of the tank. The pressure is defined as Eq (2.3) (ζ - ordinate of the

Problems of the Hydrodynamic Calculations of a Tilted Elevator for Transporting Ships

static water surface, p_0 - pressure at the static water surface). The equation of continuity (2.7) can be defined from Eqs (2.4) - (2.6), where c - velocity of wave propagation along the tank, as calculated from Eq (2.8). The Eq (2.4) can be expressed as Eq (2.9) for the limiting conditions $u_x(0, t) = u_x(\ell_k, t) = 0$. When the values of φ and ω are denoted by ζ_1 and ω_1 in the section $(0, \ell_1)$, then the combined expression, Eq (2.10), will define the introductory section for $x = \ell_1$ and $x = \ell_2$, where $\ell_c = \ell_2 - \ell_1$ = the length of the ship (Eq 2.11). The initial conditions for the calm water can be expressed as Eq (2.12). The forces in the expression (3.3), which affect the ship, consist of the inertia force, Eq (3.1) and the waving force (Eq 3.2). In order to find a solution of the problem it is necessary first to integrate the equation (2.6) for the initial conditions (2.12). When the motion is represented as in Fig 2, then the acceleration can be shown as Eq (4.1) and the formula (2.6) can be expressed as Eq (4.2).

Card 3/5 The latter equation, after integration (Ref 10) will take

Problems of the Hydrodynamic Calculations of a Tilted Elevator for Transporting Ships

the form of Eq (4.3), where $X_n(x)$ is the function of the limiting conditions. These can be defined by Eqs (4.4) to (4.12). The expression (4.11) can be derived for each of the 4 intervals of time (τ_{q-1} , τ_q) (q = 1, 2, 3, 4). This can be done as shown in Eqs (4.13) to (4.20). Thus, the final solution can be shown as Eqs (4.21) to (4.23) for ζ and Eqs (4.24) to (4.30) for P . The safe tensile strength of the ropes holding the ship in the tank can be

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Problems of the Hydrodynamic Calculations of a Tilted Elevator for Transporting Ships

calculated from the expressions (5.1) for normal conditions and (5.2) for emergency conditions. There are 2 figures and 13 references, of which 11 are Soviet and 2 German.

ASSOCIATION: Moskovskiy inzhenerno-stroitel'nyy institut (Moscow Construction Engineering Institute)

SUBMITTED: October 18, 1958.

Card 5/5

VASIL'YEV, O. F. (Novosibirsk)

"Fluid and Ship Oscillations in Locks and Ship Elevators."

report presented at the First All-Union Congress on Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb 1960.

VASIL'EV, O. F., Doc Tech Sci -- (diss) "Problems in the hydrodynamics of maritime devices." Novosibirsk, 1960. 13 pp; (Academy of Sciences USSR, Siberian Division, Joint Academic Council for Physico-mathematical and Technical Sciences); 200 copies; free; (KL, 25-60, 129)

GORB, T.V. [Horb, T.V.], doktor sel'skokhoz.nauk; TERESHCHENKO, F.K., kand.biolog.nauk; BOGAYEVSKIY, O.T. [Bohaievs'kyi, O.T.], kand. veterin.nauk; POTYEMKIN, M.D. [Pot'omkin, M.D.], akademik; KNIGA, M.I. [Knyha, M.I.]; POPOV, O.Ya., kand.sel'skokhoz.nauk; KHMELIK, G.G. [Hmelyk, H.H.], kand.sel'skokhoz.nauk; SHRAM, I.P., kand.sel'skokhoz.nauk [deceased]; KOPIL, A.M., kand.sel'skokhoz. nauk; TSELYUTIN, V.K., kand.sel'skokhoz.nauk; BOZHKO, P.Yu., doktor sel'skokhoz.nauk; KROMIN, S.S., kand.sel'skokhoz.nauk; ZEMLYANSKIY, V.M. [Zemlians'kyi, V.M.], kand.sel'skokhoz.nauk; BORISENKO, A.M. [Borysenko, A.M.], kand.biolog.nauk; ZAKHARENKO, V.B., kand.biolog. nauk; SMIRNOV, I.V. [Smyrnov, I.V.], kand.biolog.nauk; KHRABUSTOVSKIY, I.F. [Khrabustovs'kyi, I.F.], kand.biolog.nauk; TORSTYANETSKAYA, M.N., [Trostianets'ka, M.N.], assistent; ALESHKO, P.I., inzh.; VASIL'YEV, Vasyl'iev, O.F., kand.tekhn.nauk; BUGAYENKO, I.I. [Buhaienko, I.I.], starshiy prepodavatel'; TRAKHTOMIROVA, O.O., kand.ekonom.nauk; BUTKO, S.D., kand.ekonom.nauk; TELESHIK, K.G. [Teleshyk, K.H.], doktor ekonom.nauk; YAROSHENKO, V.D., kand.ekonom.nauk; LISIY, I.Y. [Lysyi, I.I.], red.; YEROSHENKO, T.G. [IEroshenko, T.H.], tekhn.red.

[Handbook for zootechnicians] Dovidnyk zootekhnika. 2., dopovnene i pereroblene vyd. Kyiv, Derzh.vyd-vo sil's'kohospodars'koi lit-ry URSR, 1960. 728 p. (MIRA 15:2)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I. Lenina (for Potemkin). 2. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Kniga).
(Stock and stock breeding)

VASIL'YEV, O.F.; PRITVITS, N.A.; TITOV, V.M.

Some hydronamic calculations relating to methods for controlling larvae of blood-sucking midges in rivers. Izv.Sib.otd.AN SSSR no.8:124-134 '60. (MIRA 13:9)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR.
(Insecticides)

VASIL'YEV, O.F., kand.tekhn.nauk

The height of waves rolling aginst embankments. Gidr.stroi. 29 no.3:48 Mr '60. (MIRA 13:6)
(Waves)

VASIL'YEV, O.F.

Observations on the state of the Usoy dam on Sarez Lake in 1956. Izv.vses.geog.ob-va 92 no.5:427-433 S-O '60. (MIRA 13:9)

(Sarez Lake--Landslides)

VASIL'YEV, O.F. (Novosibirsk)

Solution of equations of the wave action of water and a ship in an oblique navigation lock chamber. Izv.AN SSSR. Otd.tekh. nauk.Mekh. i mashinostr. no.4:54-64 Jl-Ag '61. (MIRA 14 8)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR.
(Locks (Hydraulic engineering)) (Wave mechanics)

VASIL'YEV, O.F. (Novosibirsk)

Approximate equations of the wave action of water and a ship in the navigation-lock chamber. Izv.AN SSSR.Otd.tekh.nauk.Mekh.i mashinostr. no.3:78-83 My-Je '61. (MIRA 14:6)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR.
(Locks (Hydraulic engineering)) (Wave mechanics)

VASIL'YEV, O.F.

Approximate equations of the bound vibrations of water and a ship in the chambers of transporting ship elevators and sluices. Dokl.AN SSSR 138 no.6:1309-1312 Je '61. (MIRA 14:6)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR. Predstavleno akademikom P.Ya.Kochinoy.
(Hydrodynamics) (Vibration)

VASIL'YEV, O.F. (Novosibirsk)

Wave action of water and a ship in the chamber of an inclined navigation lock. Izv.AN SSSR.Otd.tekh.nauk.Mekh.i mashinostr no.1:167-171 Ja-F '62. (MIRA 15:3)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR.
(Locks(Hydraulic engineering))

BUKREYEV, V.I., inzh.; VASIL'YEV, O.F., doktor tekhn.nauk; GLADYSHEV, M.T.

Graphoanalytic calculation of pressure in a hydraulic system with an accumulator supply. Vest.mashinostr. 42 no.8:30-33 Ag '62. (MIRA 15:8)

(Hydraulic machinery)

VASIL'YEV, O.F. (Novosibirsk)

Nonstationary flow of a viscoplastic quicksand. Izv. AN SSSR. Mekh. i mashinostr. no.6:69-73 N-D '63.
(MIRA 17:1)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR.

VASIL'YEV, O.F.; GODUNOV, S.K.; FRITVITS, N.A.; TEMNOYEVA, T.A.; FRYAZINOVA, I.L.; SHUGRIN, S.M.

Numerical method for calculating the propagation of long waves in open river beds and its application to the flood problem. Dokl. AN SSSR 151 no.3:525-527 Jl '63. (MIRA 16:9)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR. Predstavleno akademikom P.Ya.Kochinoy.

VASILYEV, O.F.; KHAPILOVA, N.S. (Novosibirsk)

"An analysis of axisymmetric swirling inviscid flow in bounded regions"

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 January - 5 February 1964

ATAVIN, A.A.; VASILYEV, O.F.; PRITVITS, N.A.; SHUGRIN, S.M. (Novosibirsk)

"Unsteady problems of open-channel hydraulics"

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 January - 5 February 1964

VASIL'YEV, O.F.

Use and experimental testing of the approximate theory of fluctuations in the chamber of an inclined ship elevator. Izv. SO AN SSSR no.2. Ser. tekh. nauk no.1:89-100 '64. (MIRA 17:8)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR, Novosibirsk.

ATAVIN, A.A.; VASIL'YEV, O.F.

Numerical methods for calculating coupled water surface and ships' vibrations in locks and inclined ship elevators. Determining the dynamic action on a ship. Izv. SO AN SSSR no.(Ser. tekh. nauk no.2: 47-58 '64. (MIRA 17:10)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR, Novosibirsk.

VASIL'YEV, O.F. (Novosibirsk); VOYNOV, A.K. (Novosibirsk); ROMANOV, Ye. M. (Novosibirsk)

Experimental investigation of quicksand flow in a stratum. Izv. AN SSSR. Mekh. i mashinostr. no. 2:179-182 Mr-Ap '64. (MIRA 17:5)

VASIL'YEV, O.F. (Novosibirsk); TEMNOYEVA, T.A. (Novosibirsk);
SHUGRIN, S.M. (Novosibirsk)

Numerical method for calculating nonsteady flows in open channels. Izv. AN SSSR. Mekh. no.2:17-25 Mr-Ap '65.
(MIRA 18:6)

L 60251-65 EWT(d) Pg-4 IJP(c)

ACCESSION NR: AP5018202 UR/0207/65/000/003/0097/0099

AUTHORS: Vasil'yev, O. F. (Novosibirsk); Khapilova, N. S. (Novosibirsk) 26

TITLE: Equations of motion of a thin fluid layer on the surface of a rotating body of rotation

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 3, 1965, 97-99

TOPIC TAGS: differential equation, fluid mechanics, viscous fluid

ABSTRACT: The authors study nonsteady state flow of a thin layer of fluid on the surface of a body of rotation, rotating with variable angular velocity about its axis. They assume the presence of [illegible] rotating [illegible] the body's axis and precipitation of particles [illegible] fluid into the free surface. They [illegible] the path [illegible] averaging of the [illegible] the layer on the system of differential equations [illegible] from the general equations of unsteady viscous fluid motion [illegible] linear coordinate system [illegible] formulas.

ASSOCIATION: none

SUBMITTED: 01Dec64 ENCL: 00 SUB CODE: ME, MA

NO REF SOV: 003 OTHER: 000

Card 1/1 Afp

VASIL'YEV, O M ,ED.

NEMETSKO-RUSSKIY SLOVAR' PO RAKETNOY TEKHNIKE [GERMAN-RUSSIAN DICTIONARY OR ROCKET ENGINEERING] POD RED. YU. A. POBEDONOSTSEV. MOSKVA, GOSTEKHIZDAT, 1950.

212 P.

ADDED T.P. IN GERMAN.

MAMALUY, Aleksandr Prokof'yevich, kand. ekon. nauk, dots.; VASIL'YEV, O.M., otv.red.; BUTAKOVA, M.S., red.; CHERNYSHENKO, Ya.T., tekhn. red.

[Commodity production in the period of transition from capitalism to socialism in the U.S.S.R.] Tovarnoe proizvodstvo v perekhodnyi period ot kapitalizma k sotsializmu v SSSR. Khar'kov, Izd-vo Khar'kovskogo gos.univ. im. A...Gor'kogo, 1958. 45 p. (MIRA 11:12)
(Russia--Economic conditions)

VASIL'YEV, O. N., YEMEL'YANOV, M. D. and SIDEL'NIKOV, T. A.

"New Methods of Investigation Vestibular Function" - p. 55

Voyenno Meditsinskiy Zhurnal, No. 10, 1962

VASIL'YEV, O.P.

[Elements of the calculation of some parameters of magnetic drums] Elementy rascheta nekotorykh parametrov magnitnykh barabanov. Moskva, In-t tochnoi mekhaniki i vychislitel'noi tekhniki AN SSSR, 1962. 80 p.
(MIRA 17:3)

VASIL'YEV, O.P., inzh.

Analysis of relationships which are considered in the selection of dimensions for a magnetic drum. [Trudy] MVTU no.2:81-85 '59. (MIRA 13:5)
(Magnetic memory (Calculating machines))

VASIL'YEV, O.F.

Moscow. Vyssheye tekhnicheskoye uchilishche imeni Baumana. Kafedra matematicheskikh mashin

Vychislitel'naya tekhnika (Computer Techniques) Moscow, Mashgiz, 1959. 153 p. (Series: Moscow. Vyssheye tekhnicheskoye uchilishche. Sbornik, No. 2) 2,500 copies printed.

Ed.: B.V. Anisimov, Candidate of Technical Sciences; Tech. Eds.: B.I. Model' and A.F. Uvarova; Managing Ed. for Literature on Machine Building and Instrument Construction: N.V. Pokrovskiy, Engineer.

PURPOSE: This book may be useful to Aspirants and other students specializing in computer technology, and also to designers and engineering and technical personnel who make use of electronic computers.

School imeni Bauman) in honor of the 40th anniversary of the October Revolution. The articles contain the results of theoretical and experimental studies on the performance of various components of electronic computers. Among the topics discussed are program storage, control devices, the connection between the parameters of an algorithm and a machine, etc. The application of these components to the control of technological processes is also discussed.

LUK'YANOVA, Yelena Mikhaylovna[Lukianova, O.M.], kand. med. nauk; VASIL'YEV, O.P.[Vasil'iev, O.P.], translator; BEREZNITSKAYA, S.A. [Bereznits'ka, S.A.], red.; BYKOV, M.M., tekhn. red.

[Prevention and treatment of acute catarrhs of the respiratory tract in children] Zapobihannia ta likuvannia hostrykh katariv dykhal'nykh shliakhiv u ditei. Kyiv, Derzh. vyd-vo URSR, 1961. 18 p. (MIRA 15:3)
(CATARRH) (CHILDREN—DISEASES)

SOV-113-58-9-6/19

AUTHORS: Gurvich, I.B., Candidate of Technical Sciences, Vasil'yev, O.S., Sukhanov, V.A.

TITLE: The Limitation of Loads at the Running-in of the Engine in the Automobile (Ogranicheniye nagruzok pri obkatke dvigatelya na avtomobile)

PERIODICAL: Avtomobil'naya promyshlennost', 1958, Nr 9, pp 15-16 (USSR)

ABSTRACT: In running-in the engine, to accomplish the mechanical finishing of the engine surfaces, a disk used to be inserted between the carburetor and the feed pipe in light cars. This was not necessary for trucks, since there are enough means to direct the number of revolutions. The inserted disk behind the carburetor had the disadvantage that the atomization of the fuel in the engine became worse and caused settling of the gasoline on the walls of the supply pipe system finally resulting in scale formation in the compression chambers and on the piston bottoms. A suggestion is made to replace the inserted disk by a baffle plate (Figure 2) for fixation of the deflection angle. This eliminates the necessity of separating the carburetor from the feed pipe after the 1,000-km-running-in period, to remove the disk. In the

Card 1/2

The Limitation of Loads at the Running-in of the Engine in the Automobile

case of the baffle plate only a screw is unscrewed and the plate easily removed. Five M-20 and 3 ZIm engines were given test runs to try both principles (Table 2). They resulted in favor of the baffle plate, since there are none of the disadvantages caused by the disk and an additional economy of 1 to 1.25 liters of gasoline per 100 km running-in consumption.
There are 4 graphs, 1 diagram and 2 tables.

ASSOCIATION: Gor'kovskiy avtozavod (The Gor'kiy Motor Vehicle Plant).

1. Automobiles--Performance 2. Combustion engines--Test methods

VASIL'YEV, Oleg Sergeyevich; KOSTIN, V., red.; TROYANOVSKAYA, N., tekhn.red.

[Their morals] Ikh moral'. Moskva, Gos.izd-vo polit.lit-ry, 1959. 64 p. (MIRA 12:6)
(United States--Social conditions)

VASIL'YEV, P. (Kurgan)

Heroism. Pozh.delo 5 no.4:23 Ap '59. (MIRA 12:5)
(Kurgan--Fire Extinction)

VASIL'YEV, P.; SHIRKEVICH, N.

Consolidating district and village budgets. Fin.SSSR 20 no.12:39-47 D '59. (MIRA 12:12)
(Budget)

VASIL'YEV, P., inzh.

Plant must be enlarged. Mias.ind.SSSR 31 no.1:25-26 '60.
(MIRA 13:5)

1. Biyskiy zavod "Molmashstroy".
(Biysk--Meat industry--Equipment and supplies)

VASIL'YEV, P., red.; LAUL, Yu., tekhn. red.

[Fulfillment of the seven-year plan ahead of time]Semiletku dosrochno. Tallinn, Estonskoe gos. izd-vo, 1961. 260 p.
(MIRA 16:1)

1. Eestimaa Kommunistlik Partei. Keskkomitee. Propaganda- ja Agitatiooniosakond.
(Estonia--Agriculture)

MAMUSHKIN, P.; MEN'SHIKOV, V.; VASIL'YEV, P. (Bryanskaya oblast', Novozybkovskiy rayon); BOBROVSKAYA, Z.; KULAGIN, N.; TROITSKIY, L.; NURULLAYEV, S., operator

Editors's mail. Sov. profsoiuzy 16 no.18:49-51 S '60.(MIRA 13:10)

1. Sekretar' partbyuro torfopredpriyatiya "Vasil'yevskiy mokh" (for Mamushkin). 2. Instruktor metodicheskogo otdela TSentral'nogo Doma kul'tury zheleznodorozhnikov (for Men'shikov). 3. Chleny prezidiuma dorozhnogo komiteta profsoyuza rabotnikov zheleznodorozhnogo transporta Sverdlovskoy zheleznoy dorogi (for Bobrovskaya, Kulagin). 4. Zaveduyushchiy otdelom kul'tury i fizkul'tury Chelyabinskogo oblprofsoveta (for Troitskiy). 5. Novo-Bakinskiy neftepererabatyvayushchiy zavod (for Nurullayev).

(Perm--Communist education)

CHIOGOLYA, G.; BERAL, Kh.; VASIL'YEV, P.; POPOVICH, N.; KOSMIN, Anna; MADZHARU, M.; YAKOB, A.; LAKATOSH, L.; DIAKU, D.; PATRASHKU, S.

Determination of bismuth in Rumanian drugs by means of EDTA titration. Apt.delo 8 no.6:67-69 N-D '59. (MIRA 13:4)

1. Iz Instituta po kontrolyu kachestva medikamentov Ministerstva zdravookhraneniya Rumynskoy Narodnoy Respubliki, Bukharest.
(BISMUTH--ANALYSIS)

VASIL'EV, P.

Transport zheleznodorozhnyi v SSSR. [Railroad transportation in the U.S.S.R.] (Mal. sov. ents., 1940, v. 10, col. 213-214).

DLC: AE55.M3

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress Reference Department, Washington, 1952, Unclassified.

VASIL'YEV, P.

Operation of refrigerating plants. Mias. ind. SSSR 30 no.5:44-46 '59. (MIRA 13:1)

1. Moskovskiy myasoperera batyvayushchiy zavod.
(Moscow--Cold storage warehouses)

VASIL'YEV, P.

Economy of public work with the comprehensive utilization of forestry materials. Sots.trud 4 no.7:26-35 Jl '59. (MIRA 13:4)

(Woodpulp industry)

VASIL'YEV, P.

An example of conscientious service. Pozh.delo 3 no.2:24 F '57.
(Taganrog--Firemen)

AUTHOR: Vasil'yev, P., School Director

27-58-6-21/35

TITLE: In Honor of the Jubilee of the Komsomol (V chest' yubileya komsomola)

PERIODICAL: Professional'no-Tekhnicheskoye Obrazovaniye, 1958, Nr 6, p 28 (USSR)

ABSTRACT: Students of the Technical School Nr 8 pledged themselves to improve and increase their productivity in honor of the Fortieth Anniversary of the Komsomols.

ASSOCIATION: Tekhnicheskoye uchilishche № 8, Rostov-na-Donu (Rostov-on-Don Technical School Nr 8)

Card 1/1 1. Educational dynamics-USSR 2. Education-USSR

Vasil'yev, P.

VASIL'YEV, P., inzh.

Modern designs of concrete bridge girders with rigid reinforcements.
Avt. dor. 21 no.1:20-22 Ja '58. (MIRA 11:1)
(Girders)

VASIL'YEV, P. (Taganrog)

Rubber washers for RS-A and RS-B nozzles. Pozh.delo 6 no.6:23 Je '60. (MIRA 13:7)

(Fire departments--Equipment and supplies)

BEL'SKIY, V.; VASIL'YEV, P., master radiosporta

Ultrahigh frequency radio broadcasting. Radio no.6:13-14 Je '60.
(MIRA 13:7)

1. Nachal'nik otdela radioveshchaniya radio upravleniya Ministerstva svyazi RSFSR (for Bel'skiy).
(Radio, Shortwave)

VASIL'YEV, P., master radiosporta, uchastnik Pervykh mezhduvedomstvennykh sorevnovaniy radistov.

Quality should have precedence. Radio no.6:14-15 Je '60.
(Radio--Operators)

KAMMAL, Uno; TORMISTO, Vello; TULIK, A. [translator]; VASIL'YEV, P., red.; VEBER, Kh., tekhn. red.

[Tallinn] Tallin. Tallin, Estonskoe gos. izd-vo, 1960. 78 p. (MIRA 14:11)

(Tallinn)

L 55782-65 EEO-2/EWG(j)/FSS-2/EWG(r)/EWT(1)/FS(v)-3/EEC(k)-2/EWG(v)/FCC/EWA(d)/EEC-4/EEC(t)/EWG(a)-2/EWG(c)/EWA(h) Po-4/Pe-5/Pq-4/Pac-4/Pae-2/Peb/Pi-4

ACCESSION NR: AP5014809 UR/0209/65/000/006/0022/0026

AUTHOR: Vasil'yev, P.; Kovalev, V.; Terent'yev, V.

TITLE: The first space expedition; biomedical research

SOURCE: Aviatsiya i kosmonavtika, no. 6, 1965, 22-26

TOPIC TAGS: space medicine, medical conference, space flight, space environment, space environment condition, astronaut, space psychology, space physiology

ABSTRACT: In the early part of 1965, a conference on space medicine took place in the [illegible], The [illegible] attended by physicians, biologists, engineers, psychologists, astronauts, and [illegible]s, dealt with the results of physiological research involved in the flight of the Voskhod-1 spacecraft. More than 50 papers were presented, describing mainly the effects produced on the human body by such elements as G-force, noise, vibration, weightlessness, isolation, hypodynamia, and the rapid succession of day and night.

Soviet scientists are reported to have developed a telemetering system which transmits from spacecraft data on astronauts' cardiac activity, respir-

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L 53782-65

ACCESSION NR: AP5014809

17

ation, nervous activity, and other physiological functions. However, information supplied through the telemetering system did not fully satisfy those physicians who consider it imperative to subject astronauts to a rigorous medical examination at various flight stages using special checkup methods.

[illegible] others, I. Akulinichev, I. Balakh[illegible], [illegible], V. Gorov, A. Yeremin, I. Kas'yan, A. Kotovskaya, V. Lebedev, I. Popov, [illegible] Popov, Ye. Fedorov, G. Khlebnikov, and Ye. Yuganov.

The flight of the Voskhod spacecraft was executed under favorable radiation conditions: the spacecraft's [illegible] never reached the inner radiation belt. Solar activity was normal throughout the flight, and the [illegible] radiation to which the human body was subjected did not exceed 0.15 rem.

Before launch, air temperature in the cabin was +17° C, relative humidity was 47%, pressure was 762 mm Hg, oxygen constituted about 20% of the air, and carbon dioxide constituted about 1%. During the flight, none of these variables exceeded the permissible limits: the barometric pressure

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L 53792-65

ACCESSION NR: AP5014809

varied between 762 and 800 mm Hg, the temperature was between 15 and 22° C, the humidity was between 47 and 80%, and the oxygen content was between 20 and 22.8%.

During the flight each astronaut consumed 1.4— [illegible] ℓ of liquid, including 0.2— 0.6 ℓ of drinking water. During and immediately after the flight the protein metabolism appeared to be elevated above that of the preflight period.

Upon entering the spacecraft, all astronauts remained calm and [illegible] however, as the launch time approached, a gradual rise in neuroemotional stress [illegible] Pulse and respiration rates increased. During the last 5 minutes preceding the launch, pulse rates increased by 23% for V. M. Komarov, [illegible]% for K. P. Feoktistov, and 56% for B. B. Yegorov.

It was noted with interest that the pulse and respiration rates were lower in the group flight than in the comparable individual flights. Analysis of the dynamics of the pulse rate of astronauts during space flight has led to the conclusion that the degree of neuroemotional stress depends on the flight pattern and the training and personality traits of astro-

Card 3/5

nauts. The transition from G-force to weightlessness was smooth and "unnoticed."

Arterial pressure underwent [illegible] changes, increasing during the first few [illegible] during weightlessness [illegible]

[illegible] normal water excretion.

The available data are indicative of [illegible] abnormal environment of space flight. The spacecraft's commander, [illegible] perience, was better qualified for this assignment [illegible] and physician. One of the prime objectives of the present research was, therefore, a comparative study of the working efficiency of the pilot and the physician. The method used in this [illegible] various flight stages.

During orbital flight Yegorov and Feoktistov experienced the sen-

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L 53782-65
ACCESSION NR: AP5014809

sation were independent of the spacecraft's stability.
There are strong indications that hypodynamia and weightlessness, which lower hydrostatic blood pressure and alter the afferent conditions of the [illegible] system, as well as [illegible] neuropsychological tension are [illegible].

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: LS, SV

NO REF SOV: 000 OTHER: 000 ATD PRESS: 4011-F

Card 5/5

VASIL'YEV, P.A., kand. tekhn. nauk

Approximate method for calculating creep deformations during the determination of temperature stresses in massive concrete plates. Izv. VNIIG 47:120-128 '52. (MIRA 12:6)
(Concrete) (Creep of materials)

SURKO[illegible], S. K. Eng., VASIL'EV, P.A. ENG., LIPKIN, B. YU. Eng., NAYDIS, V. A. Eng., KULAKOV, A. A. ENG,, SOKOLOV, M. M. Docent, FRUMINSKIY, D. G. Prof.

Electric Power Distribution

Electric power supply for industrial enterprises. Elektrichestvo No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

VASIL'YEV, P.A.

USSR/Electronics - Telephones

Card 1/1 : Pub. 133 - 8/21

Authors : Vasil'ev, P. A., and Mazel', S. I.

Title : Improvements which have found an application in the operations and construction of city telephone stations

Periodical : Vest. svyazi 9, 14-16, Sep 1954

Abstract : Two articles are presented which describe improvements in the operation and construction of city telephone apparatuses and their parts. Diagrams; illustration.

Institution : ...

Submitted : ...

VASIL'YEV, P.A.

Studying the economy of Karelia. Izv. Kar. i Kol' fil. AN SSSR no. 1:57-61 '57. (MIRA 11:7)
(Karelia--Economic conditions)

VASIL'YEV, P.A., mekhanik; GORDOV, N.D., elektrik.

Automatic water intake installations. Neftianik 2 no.5:
10-11 My '57. (MLRA 10:5)

1. TSekh poddershaniya plastovogo davleniya Neftepromyslovogo upravleniya Tuymazaneft'.
(Oil well flooding)

VASIL'YEV, P.A.

Corn silage as poultry feed. Ptitsevodstvo 9 no.8:12-13
Ag '59. (MIRA 12:12)

1. Glavnyy zootekhnik Staromlinovskoy rayonnoy inspektsii sel'skogo khozyaystva Stalinskoy oblasti.
(Corn as feed)
(Staromlinovka District--Poultry--Feeding and feeds)

VASIL'YEV, P.A., inzh.; GORDON, S.V., inzh.

New devices for electric equipment installation work. Energ. stroi. no. 4:56-60 '65. (MIRA 18:12)

VASIL'EV, P. A.

Tadzhikistan; ekonomiko-geograf'cheskoe opisanie. /Tajikistan, an economic and geographical description/. Pod obshchei red. i s predisl. M. Sadulla eva. Stalinabad, Gos. izd-vo Tadzhikskoi SSR, 1947. 184 p. illus., maps (part fold). Transport and communication facilities (p. 108). DLC: DK861.T3V38

SO: Soviet Transportation and Communications. A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

P.A. VASIL'EV

KOSHELEVA, A.I. and P.A. VASIL'EV. ...Administrativno-territorial'noe delenie Tadzhikistana. Istoricheskii ocherk. Pod red. M.P. Lapina. Stalinabad, 1948. 48 p.

SO: LC, Soviet Geography, Part II, 1951, Unclassified

VASIL'YEV, P. A.

Vasil'yev, P. A. "History of soviet commerce in Tadzhikistan," Sovshch, Tadzh. filiala Akad. nauk SSSR, Issue 11, 1949, p.37-40 -- bibliog: 7 items

So: U-3566, 15 March 53, (Letopis ' Zhurnal 'nykh Statey, No. 13, 1949)

VASIL'YEV, P.A.

Study of the economic geography of Tajikistan. Trudy TFAN SSSR 27:227-237 '51. (MLRA 6:8)

(Tajikistan--Economic conditions)

VASIL'EV, P.A.

Rybolovetskii kholkhoz imeni M.I.Kalinina (The M.I.Kalinin Collective Fish Farm). Leningrad, Lenizdat, 1953. 88 p.

SO: Monthly List of Russian Accessions, Vol 7, No. 8, Nov. 1954

VASIL'YEV, P.A., starshiy nauchnyy sotrudnik.

Vegetation feed lures for fish. Nauka i zhizn' 20 no.10:37-38 O '53.
(MLRA 6:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut ozernogo i rechnogo rybnogo khozyaystva.
(Fishing)

VASIL'YEV, P.A.; REZNIKOV, F.I.

Sturgeon in the White Sea and Lake Ladoga. Priroda 44 no.8: 107-109 Ag '55. (MLRA 8:10)

1. Vologodskiy molochnyy institut
(White Sea--Sturgeons) (Ladoga, Lake--Sturgeons)

BARMIN, Sergey Fedorovich; MAGAZANIK, Yan Markovich; VASIL'YEV, P.D., nauchn. red.; GINTSBURG, V.I., ved. red.

[Practice in operating the GT-700-4 gas turbines] Opyt ekspluatatsii gazovykh turbin GT-700-4. Leningrad, Nedra, 1964. 261 p. (MIRA 18:7)

LEBEDEV-TSVETKOV, Yuriy Dmitriyevich; YASIL'YEV, P.D., nauchn. red.; RUSAKOVA, L.Ya., ved. red.; DEM'YANENKO, V.I., tekhn. red.

[Designs of the equipment and operating conditions of gas turbine compressor stations] Konstruktsii oborudovaniia i rabochie protsessy gazoturbinnykh kompressornykh stantsii. Leningrad, Gostoptekhizdat, 1963. 110 p. (MIRA 17:4)

VASIL'YEV, P.D., kand.tekhn.nauk

Calculating the strength and rigidity of track pins of the DT-54 tractor. Trakt. i sel'khozmash. no.3:9-13 Mr '59. (MIRA 12:4)

1. Moskovskiy avtomekhanicheskiy institut.
(Tracklaying vehicles)

VASIL'YEV, P.D., kand.tekhn.nauk

Using brittle lacquer coatings for determining the stress in track links. Trakt. i sel'khozmash. 30 no.9:17-18 S '60. (MIRA 13:9)

1. Moskovskiy avtomekhanicheskiy institut.
(Crawler tractors--Testing) (Strains and stresses)

VASIL'YEV, P.D., kand.tekhn.nauk.

Calculating the tension of track pins and links. Trakt. i sel'khozmash. no.11:9-12 N '59. (MIRA 13:3)

1. Moskovskiy avtomekhanicheskiy institut.
(Crawler tractors)